JC10 Rec'd PCT/PTO 14 JUN 2005

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TRANSMITTAL LETTER TO THE UNITED STATES

ATTORNEY'S DOCKET NUMBER 96700/1023

	DESIGNATED/ELECTED CERNING A SUBMISSIO	U.S. APPLIATION HOTHOUR 59 2 CFR 1.5)								
INTERNAT	IONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED							
	PCT/US2003/040407	18 December 2003 (18.12.2003)	23 December 2002 (23.12.2002)							
MODIFIED HEMOGLOBIN AND METHODS OF MAKING SAME										
APPLICANT(S) FOR DO/EO/US Seetharama A. Acharya and Belur N. Manjula										
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
1. 🗹 T	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.									
2. T	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.									
з. 🔲 ті	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
4. 🗹 T	he US has been elected (Article 31).									
5.	A copy of the International Application as filed (35 U.S.C. 371(c)(2))									
	a. is attached hereto (required only if not communicated by the International Bureau).									
	b. 🗾 has been communicated by the International Bureau.									
	c. is not required, as the application was filed in the United States Receiving Office (RO/US).									
6.	An English language translation of the	e International Application as filed (35 U.S.C	. 371(c)(2)).							
	a. is attached hereto.									
	b. has been previously submit	tted under 35 U.S.C. 154(d)(4).								
7.	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))									
	a. are attached hereto (required only if not communicated by the International Bureau).									
	b. have been communicated	by the International Bureau.								
	c. have not been made; however, the time limit for making such amendments has NOT expired.									
	d. have not been made and v	vill not be made.								
8, <u> </u>	An English language translation of th	e amendments to the claims under PCT Arti	cle 19 (35 U.S.C. 371(c)(3)).							
9.	An oath or declaration of the inventor	(s) (35 U.S.C. 371(c)(4)).								
* 0. ☐	An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	annexes of the International Preliminary Ex	camination Report under PCT							
	11 to 20 below concern document(s) or information included:								
11.	An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.								
_	An assignment document for recording	g. A separate cover sheet in compliance wit	h 37 CFR 3.28 and 3.31 is included.							
13.	A preliminary amendment.									
14. 📙	An Application Data Sheet under 37 C	OFR 1.76.								
15. 📙	A substitute specification.	×								
16.	A power of attorney and/or change of	address letter.	,							
17.	A computer-readable form of the sequ	uence listing in accordance with PCT Rule 13	3ter.2 and 37 CFR 1.821- 1.825.							
		rational Application under 35 U.S.C. 154(d)(4 લ્વે	` \							
	A second copy of the English languag	e translation of the international application	under 35 U.S.Č. 154(d)(4).							
20. 🔽	Other items or information: A copy	of the International Preliminary Exa								

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop-PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JC09 Rec'd PCT/PTO 14 JUN 2005.

PTO-1390 (Rev. 02-2005)
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U.S. APPLICAT	ION NO. (if know	ATTORNEY'S DOCKET NUMBER							
l 1	0/53	96700/1023							
The foll	owing fees have l	CALCULATIONS	PTO USE ONLY						
21. 🗹 Basi	c national fee			\$300	\$ 300.00				
If International p PCT Article 33	nination fee reliminary examin 3(1)-(4)	\$ 300.00							
	<u> </u>								
Search fee (37 C Internatio International Sea	ch fee FR 1.445(a)(2)) h nal Searching Au rch Report prepa s	\$ 400.00							
	TOTAL OF 21, 2	\$ 1000.00							
Additional fe sequence lis	e for specification sting or computer 250 for each addi								
Total Sheets	Extra Sheets	Number of each	additional 50 or fraction p to a whole number)	RATE					
- 100 =	/50 =			x \$250	\$				
Surcharge of \$13	0.00 for furnishin ate (37 CFR 1.49	\$							
CLAIMS	NUME	ER FILED	NUMBER EXTRA	RATE	\$	•			
Total claims		27 - 20 =	7	x \$50	\$ 350.00				
Independent clair	ns	2 -3=	0	x \$200	\$ 0				
MULTIPLE DEPE	NDENT CLAIM(6) (if applicable)		+ \$360	\$				
		\$ 1350.00	· · · · ·						
Applicant cla	ims small entity s	tatus. See 37 CFR	1.27. Fees above are reduc	ed by ½.					
				SUBTOTAL =	\$				
Processing fee of claimed priority d	f \$130.00 for furni ate (37 CFR 1.49	\$							
	.,	\$							
Fee for recording by an appropriate		\$							
			TOTAL F	EES ENCLOSED =	\$ 1350.00				
-		Amount to be refunded:	\$						
			<u></u>		Amount to be charged:	\$			
a. A check in the amount of \$ 1350.00 to cover the above fees is enclosed.									
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.									
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-1785. A duplicate copy of this sheet is enclosed.									
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed									
and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO:									
Craig J. Arno	ld	1							
	stein & Ebens	nold							
90 Park Aven	ue w York 1001								
I ITOW TOIN, INC	74 TOIR 1001	ON NUMBER							
1				REGISTRATIC	אם מאוטרו דיכ				



Intellectual Property Law

90 Park Avenue New York NY 10016

Main 212 336 8000 Fax 212 336 8001 Web www.arelaw.com Abraham Kasdan, Ph.D. Ira E. Silfin Chester Rothstein Craig J. Arnold Kenneth M. Bernstein

Anthony F. Lo Cicero

Kenneth P. George

Partners

Morton Amster

Daniel Ebenstein

Philip H. Gottfried

Michael J. Berger

Neil M. Zipkin

Jesse Rothstein (1934 - 2003)

Senior Counsel
Charles R. Macedo
Mark J. Rosenberg
Nancy M. Dodderidge
Joseph M. Casino

Associates
Neal L. Rosenberg
Patrick Boland*
John S. Economou
Michael V. Solomita
Holly Pekowsky
Michael P. Kenney
Marion P. Metelski

Max Vern
Dana R. Metes
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Marc J. Jason
Elie H. Gendloff, Ph.D.
David Mitnick
Charles W. Rath
David A. Boag
Karen J. Bernstein
Matthieu Hausig
Jung S. Hahm
Reiko Kaji

Alan D. Miller, Ph.D.
Hsin-Hsin (Ginger) Liu
John A. Lepore
Norajean McCaffrey
Benjamin M. Halpern*
Matthew A. Fox
Michael J. Kasdan
Sasha B. Rieders
Rebecca R. Eisenberg

*Not admitted in New York

June 14, 2005

Via Express Mail (EL 996369125 US)

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Craig J. Arnold
Direct 212 336 8070
E-mail carnold@arelaw.com

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Date of Deposit: June 14, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Name: Joycelyn Giles Fenty
Signature: Greek Giles Leatte

Re: United States National Stage Filing

of PCT Application No. PCT/US2003/040407

Title: MODIFIED HEMOGLOBIN AND METHODS OF MAKING SAME

Applicants: Seetharama A. Acharya and Belur N. Manjula

Our File: 96700/1023

Dear Sir:

Pursuant to 37 U.S.C. § 371 and 37 C.F.R. § 1.495, enclosed please find an application for patent in the names of Seetharama A. Acharya and Belur N. Manjula, entitled "MODIFIED HEMOGLOBIN AND METHODS OF MAKING SAME," for entering the national stage in the United States of America, comprising the following:

- 1. a Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. § 371;
- 2. a copy of PCT Application No. PCT/US2003/040407 as published under PCT Publication No. WO 2004/058291 A1, including cover page, specification (34 pages), claims (3 pages), figures 1 to 8 (10 pages), and International Search Report (2 pages);
- 3. a Preliminary Amendment (7 pages);

Commissioner for Patents

-2-

June 14, 2005

- 4. an Information Disclosure Statement including copies of the references cited in the International Search Report;
- 5. a check in the amount of \$1350.00 to cover the total filing fee; and
- 6. a return receipt postcard.

Please charge any outstanding amount or credit any overpayment to Deposit Account No. 01-1785. A duplicate copy of this letter is enclosed. Please also acknowledge receipt of the enclosed documents by stamping the enclosed postcard and returning the same to us.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP Attorneys for Applicants 90 Park Avenue New York, New York 10016 (212) 336-8000

Dated: New York, New York

June 14, 2005

Craig J. Arnold

Registration No. 34,287